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August 6, 2004

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUBJECT: Applicant: Mark A. Ealey
 Serial No: 10/730,412
 Filed: December 8, 2003
 For: INTEGRATED ACTUATOR MENISCUS MIRROR
 Examiner: Shafer, Ricky D.
 Group: 2872
 Docket No: XIN-101J

Dear Sir:

Enclosed is a RESPONSE in reply to the Office Action mailed July 6, 2004 in the subject application.

If for any reason this RESPONSE is found to be INCOMPLETE, or if at any time it appears that a TELEPHONE CONFERENCE with counsel would help advance prosecution, please telephone the undersigned or his associates, collect in Waltham, Massachusetts at (781) 890-5678.

If any payment during prosecution is found to be incorrect, please charge any deficiency or credit any overpayment to my Deposit Account No. 09-0002. A copy of this letter is enclosed for use by the Finance Branch in the event that it is necessary to make any charge or credit to my deposit account.

In addition, pursuant to Rule 1.136(a)(3), the Office is hereby authorized to treat any reply requiring an extension of time as incorporating a request therefor. Also, any request or Petition for an Extension of Time notwithstanding an inadvertent reference in the Petition to a shorter period of time is to be treated as requesting the appropriate length of time.

Commissioner for Patents
August 6, 2004
Page 2

Kindly acknowledge receipt of the foregoing by returning the enclosed self-addressed postcard.

Sincerely,

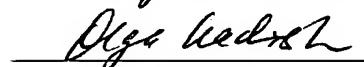


Thomas E. Thompkins, Jr.
Reg. No. 47,136

TET:ok
Enclosures

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on August 6, 2004.


Olga Kadish



IFIN

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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August 6, 2004



Olga Kadish

RESPONSE

This Response is in reply to the Office Action mailed July 6, 2004 in the subject application. The Examiner requires an election of inventions as characterized by the Examiner between:

- I. Claims 1-12 drawn to an integrated actuator meniscus mirror comprising an optical substrate including a mirror surface on one side and a support structure on the other and a plurality of actuators for applying bending moments to said mirror surface; and
- II. Claim 13 drawn to an integrated actuator meniscus mirror comprising a surface for controllably altering the shape of said mirror surface without a

reaction mass.

In response to the Office Action, the applicant elects, with traverse, Invention I and elects claims 1-12 for prosecution in the subject application.

Each of the Examiner's requirements has been addressed or traversed. Accordingly, it is respectfully submitted that the application is in condition for allowance. Early and favorable action is respectfully requested.

If for any reason this Response is found to be incomplete, or if at any time it appears that a telephone conference with counsel would help advance prosecution, please telephone the undersigned or his associates, collect in Waltham, Massachusetts at (781) 890-5678.

Respectfully submitted,



Thomas E. Thompkins, Jr.
Reg. No. 47,136